VORTECH®

CUSTOMER CASE STUDIES

Bringing simplicity to a complex problem. We have delivered VPA™ solutions and expertise to municipal and industrial customers around the world.



Industrial Beverage MBR

2 x VPA™-S1010 systems were retrofitted to 2 membrane bioreactors (MBRs) treating industrial waste from carbonated beverage production. VPA™ ensures consistent, high oxygen transfer even at elevated MLSS concentrations.

Installation type	Retrofit
Wastewater type	Industrial
Population Equivalent	4,000



Sandall WWTP

8 x VPA™-S5040 systems were retrofitted to 4 x 60 year old oxidation ditches. Existing brush aerators were replaced by VPA™, providing the end user with a more sustainable solution and a lower total cost of ownership.

Installation type	Retrofit
Wastewater type	Municipal
Population Equivalent	120,000



Abattoir WWTP

The VPA™-S6063 system was installed at an abattoir in the UK for aerobic and anoxic treatment at the site's activated sludge facility. The system was installed as part of a new build.

Installation type	New Build
Wastewater type	Industrial
Population Equivalent	19,000

VPA™ BENEFITS

The following data is representative of general outcomes at customer sites.

3

DAYS TO INSTALL

compared to weeks for traditional aeration systems

30%

LESS ELECTRICITY

used in the aeration process

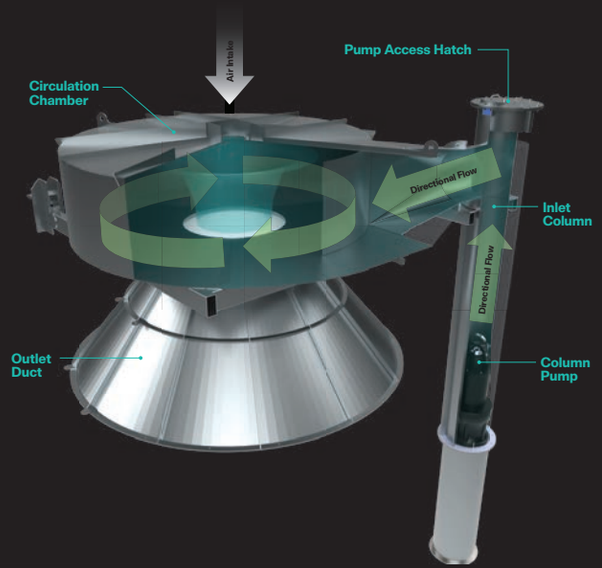
75%

LOWER MAINTENANCE

costs compared to traditional aeration systems

VORTEX POWERED AERATION™

HOW IT WORKS



Our Vortex Powered Aeration™ (VPA™) system is a patented technology that uses the power of cyclonic flow to bring water to air, providing high and sustained in-process oxygen transfer. By pumping liquid from within the reactor we create a powerful vortex which ensures direct water-air contact without requiring blowers. The resulting air-water mixture is then jetted back into the tank, creating powerful vertical and horizontal mixing and aeration in one simple step.

VORTECH®



REQUEST A QUOTE

Whether you're embarking on a new build or retro-fitting your wastewater treatment plant, contact us today for a proposal that is expertly engineered to meet your exact needs.

Vortech Water Solutions
Platform 94
Mervue Business Park
Galway, Ireland, H91 D932

info@vortechws.com
vortechws.com

VORTECH®

VORTEX POWERED AERATION™



VORTECHWS.COM